

chain nodes :

7 8

ring nodes :

1 2 3 4 5 6 9 10 11 12 13 14 15 16 17 18 19 20 21 22
23

chain bonds :

2-8 6-7 7-10 8-9

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-16 9-20 10-11 10-15 11-12 12-13
13-14 14-15 16-17 17-18 17-21 18-19 18-23 19-20 21-22 22-23

exact/norm bonds :

2-8 6-7 7-10 8-9 17-21 18-23 21-22 22-23

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-16 9-20 10-11 10-15 11-12 12-13
13-14 14-15 16-17 17-18 18-19 19-20

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom
18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom

10/506,477-ALW

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 3 MAR 16 CASREACT coverage extended
NEWS 4 MAR 20 MARPAT now updated daily
NEWS 5 MAR 22 LWPI reloaded
NEWS 6 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 7 APR 02 JICST-EPLUS removed from database clusters and STN
NEWS 8 APR 30 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 9 APR 30 CHEMCATS enhanced with 1.2 million new records
NEWS 10 APR 30 CA/CAPplus enhanced with 1870-1889 U.S. patent records
NEWS 11 APR 30 INPADOC replaced by INPADOCDB on STN
NEWS 12 MAY 01 New CAS web site launched
NEWS 13 MAY 08 CA/CAPplus Indian patent publication number format defined
NEWS 14 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 15 MAY 21 BIOSIS reloaded and enhanced with archival data
NEWS 16 MAY 21 TOXCENTER enhanced with BIOSIS reload
NEWS 17 MAY 21 CA/CAPplus enhanced with additional kind codes for German patents
NEWS 18 MAY 22 CA/CAPplus enhanced with IPC reclassification in Japanese patents
NEWS 19 JUN 18 CA/CAPplus to be enhanced with pre-1967 CAS Registry Numbers
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:12:53 ON 23 JUN 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

10/506,477-ALW

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 09:13:09 ON 23 JUN 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 JUN 2007 HIGHEST RN 938223-21-3

DICTIONARY FILE UPDATES: 21 JUN 2007 HIGHEST RN 938223-21-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

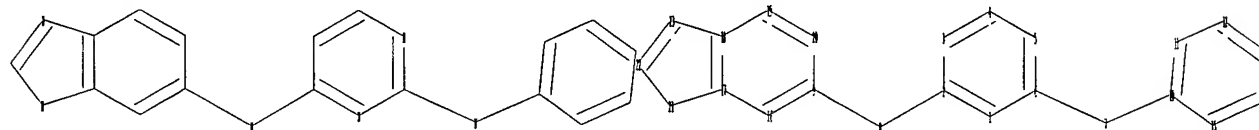
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10506447ALW.str



chain nodes :

7 8

ring nodes :

1 2 3 4 5 6 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

chain bonds :

2-8 6-7 7-10 8-9

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-16 9-20 10-11 10-15 11-12 12-13 13-14 14-15
16-17 17-18 17-21 18-19 18-23 19-20 21-22 22-23

exact/norm bonds :

2-8 6-7 7-10 8-9 17-21 18-23 21-22 22-23

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-16 9-20 10-11 10-15 11-12 12-13 13-14 14-15
16-17 17-18 18-19 19-20

Match level :

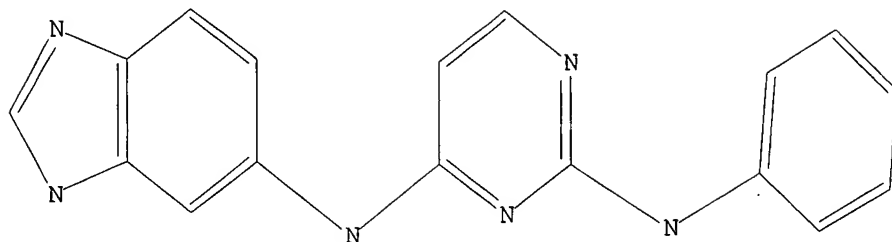
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom

L1

STRUCTURE UPLOADED

10/506,477-ALW

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
SAMPLE SEARCH INITIATED 09:13:31 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 98 TO ITERATE

100.0% PROCESSED 98 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1367 TO 2553
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss ful
FULL SEARCH INITIATED 09:13:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1864 TO ITERATE

100.0% PROCESSED 1864 ITERATIONS 12 ANSWERS
SEARCH TIME: 00.00.01

L3 12 SEA SSS FUL L1

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	172.55	172.76

FILE 'CAPLUS' ENTERED AT 09:14:07 ON 23 JUN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

10/506,477-ALW

FILE COVERS 1907 - 23 Jun 2007 VOL 147 ISS 1
FILE LAST UPDATED: 22 Jun 2007 (20070622/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

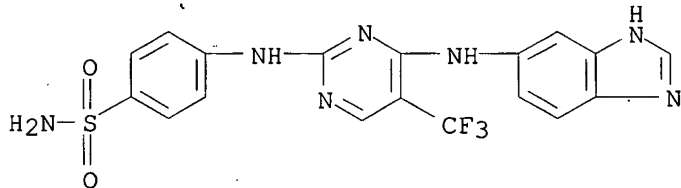
<http://www.cas.org/infopolicy.html>

=> s 13

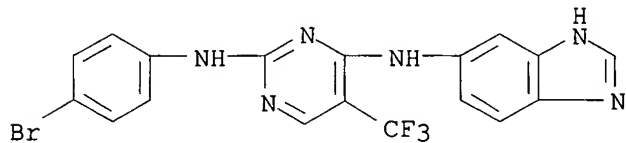
L4 3 L3

=> d 14 1-3 bib hitstr

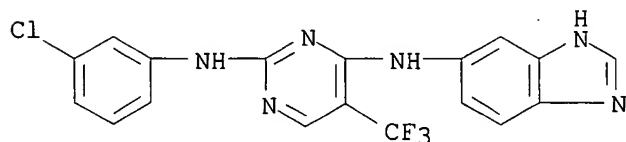
L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2005:286338 CAPLUS
 DN 143:7668
 TI Substituted aminobenzimidazole pyrimidines as cyclin-dependent kinase inhibitors
 AU Verma, Sharad; Nagarathnam, Dhanapalan; Shao, Jianxing; Zhang, Lei; Zhao, Jin; Wang, Yamin; Li, Tindy; Mull, Eric; Enyedy, Istvan; Wang, Chunguang; Zhu, Qingming; Altieri, Martha; Jordan, Jerold; Dang, Thu-Thi-Anh; Reddy, Sanjeeva
 CS Department of Chemistry Research, Bayer Research Center, West Haven, CT, 06516, USA
 SO Bioorganic & Medicinal Chemistry Letters (2005), 15(8), 1973-1977
 CODEN: BMCLE8; ISSN: 0960-894X
 PB Elsevier B.V.
 DT Journal
 LA English
 OS CASREACT 143:7668
 IT 852357-09-6P 852357-10-9P 852357-11-0P
 852357-12-1P 852357-13-2P 852357-14-3P
 852357-15-4P 852357-16-5P 852357-17-6P
 RL PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation and cyclin-dependent kinase binding affinity of (benzimidazolylamino)pyrimidines starting from dichloropyrimidines and aminobenzimidazoles using amination as the key step)
 RN 852357-09-6 CAPLUS
 CN Benzenesulfonamide, 4-[[4-(1H-benzimidazol-5-ylamino)-5-(trifluoromethyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 852357-10-9 CAPLUS
 CN 2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-N2-(4-bromophenyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



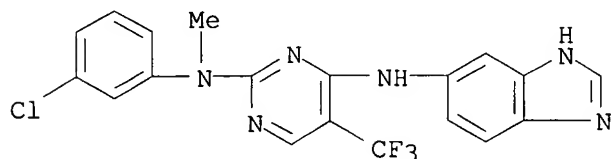
RN 852357-11-0 CAPLUS
 CN 2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-N2-(3-chlorophenyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



10/506,477-ALW

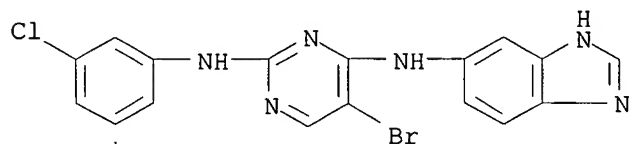
RN 852357-12-1 CAPLUS

CN 2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-N2-(3-chlorophenyl)-N2-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



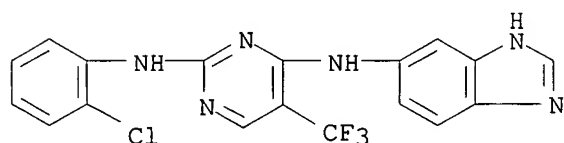
RN 852357-13-2 CAPLUS

CN 2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-5-bromo-N2-(3-chlorophenyl)- (9CI) (CA INDEX NAME)



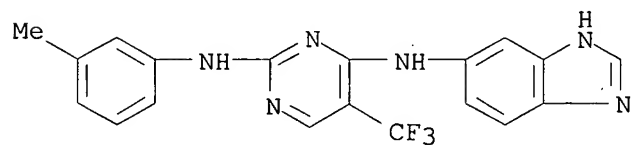
RN 852357-14-3 CAPLUS

CN 2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-N2-(2-chlorophenyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



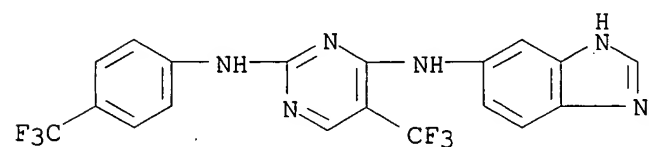
RN 852357-15-4 CAPLUS

CN 2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-N2-(3-methylphenyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 852357-16-5 CAPLUS

CN 2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-5-(trifluoromethyl)-N2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

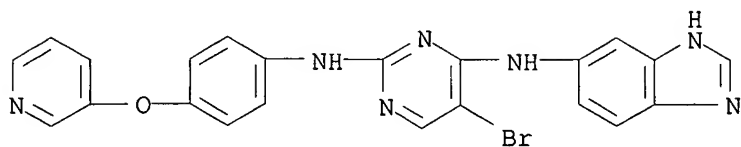


RN 852357-17-6 CAPLUS

CN 2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-5-bromo-N2-[4-(3-

10/506,477-ALW

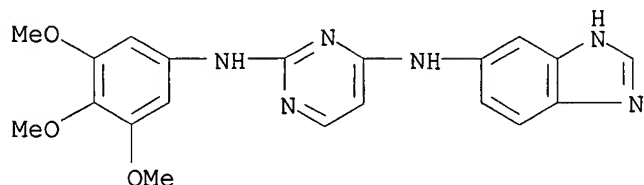
pyridinyloxy)phenyl]- (9CI) (CA INDEX NAME)



RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:173437 CAPLUS
DN 138:205079
TI Preparation of 2,4-disubstituted amino pyrimidinyl derivatives for use as
anticancer agents
IN Harmange, Jean-Christophe; Booker, Shon; Buchanan, John L.; Chaffee,
Stuart; Novak, Perry M.; Van, Der Plas Simon; Zhu, Xiaotian
PA Amgen Inc., USA
SO PCT Int. Appl., 243 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

OS	MARPAT 138:205079
IT	500544-12-7P, 4-[(1H-Benzimidazol-6-yl)amino]-2-[[3,4,5-tris(methoxy)phenyl]amino]pyrimidine
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
	(preparation of 2,4-disubstituted amino pyrimidinyl derivs. for use as anticancer agents)
RN	500544-12-7 CAPLUS
CN	2,4-Pyrimidinediamine, N4-1H-benzimidazol-5-yl-N2-(3,4,5-trimethoxyphenyl)-(9CI) (CA INDEX NAME)



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/506,477-ALW

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1997:457074 CAPLUS

DN 127:81461

TI Preparation of substituted 2-anilinopyrimidines as protein kinase inhibitors

IN Davis, Peter David; Moffat, David Festus Charles; Davis, Jeremy Martin; Hutchings, Martin Clive

PA Celltech Therapeutics Limited, UK; Davis, Peter David; Moffat, David Festus Charles; Davis, Jeremy Martin; Hutchings, Martin Clive

SO PCT Int. Appl., 83 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9719065	A1	19970529	WO 1996-GB2854	19961120
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5958935	A	19990928	US 1996-753041	19961119
	AU 9676314	A	19970611	AU 1996-76314	19961120
	EP 862560	A1	19980909	EP 1996-939171	19961120
	EP 862560	B1	20030402		
	R: CH, DE, ES, FR, GB, IT, LI				
	ES 2195020	T3	20031201	ES 1996-939171	19961120
	US 6235746	B1	20010522	US 1999-249760	19990216
PRAI	GB 1995-23675	A	19951120		
	US 1996-753041	A3	19961119		
	WO 1996-GB2854	W	19961120		

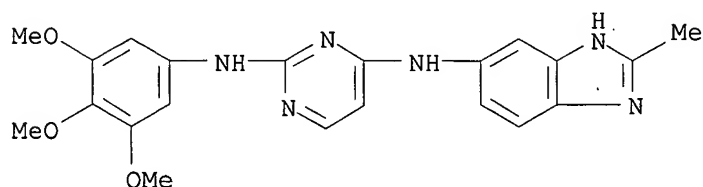
OS MARPAT 127:81461

IT 191728-41-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted 2-anilinopyrimidines as protein kinase inhibitors)

RN 191728-41-3 CAPLUS

CN 2,4-Pyrimidinediamine, N4-(2-methyl-1H-benzimidazol-5-yl)-N2-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



10/506,477-ALW

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

11.33

184.09

STN INTERNATIONAL LOGOFF AT 09:14:38 ON 23 JUN 2007